Title (en)
METHOD AND APPARATUS FOR REDUCING LOCK PERIOD OF SHARED BUFFER

Title (de)
VERFAHREN UND VORRICHTUNG ZUR REDUZIERUNG DER SPERRZEIT EINES GEMEINSAMEN PUFFERS

Title (fr)
PROCEDE ET APPAREIL SERVANT A REDUIRE LA PERIODE DE VERROUILLAGE D'UN TAMPON PARTAGE

Publication
EP 0551528 B1 19990127 (EN)

Application
EP 92916959 A 19920805

Priority
- JP 9200996 W 19920805
- JP 19649791 A 19910806

Abstract (en)
[origin: EP0551528A1] A method for reducing the lock period of a shared buffer in a data processing system. This method comprises the step (3) of reserving a copy memory (18) when the content of a shared buffer (17) is rendered non-volatile, the step (4) of locking temporarily the shared buffer as an object, the step (5) of copying the content of the buffer to be rendered non-volatile to the copy memory, the step (6) of unlocking the shared buffer after copying to the copy memory, and the step (8) of rendering the content of the copy memory non-volatile. The shared buffer as the object is locked before the content of the shared buffer is copied into the copy memory, and after copying is completed and before the content of the copy memory is rendered non-volatile, the shared buffer is unlocked (that is, release of lock). <IMAGE>

IPC 1-7
G06F 12/00; G06F 9/46

IPC 8 full level
G06F 9/46 (2006.01); **G06F 12/08** (2006.01)

CPC (source: EP)
G06F 9/52 (2013.01); **G06F 12/08** (2013.01)

Cited by
US2010161571A1; US8510281B2; US10037166B2; US9794340B2

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0551528 A1 19930721; **EP 0551528 A4 19940105**; **EP 0551528 B1 19990127**; DE 69228297 D1 19990311; DE 69228297 T2 19990602; JP 3107094 B2 20001106; WO 9303436 A1 19930218

DOCDB simple family (application)
EP 92916959 A 19920805; DE 69228297 T 19920805; JP 50347693 A 19920805; JP 9200996 W 19920805